

Patent Claims

*Grob A1*

1. Process for producing formed cellulosic articles, such as fibres, filaments, sheetings, membranes or tubes, comprising
  - a) extruding a solution of cellulose in an aqueous amine oxide, particularly N-methylmorpholine N-oxide, through an extrusion die via an air gap and coagulating the formed article in an aqueous precipitation bath containing amine oxide, and
    - b) passing the formed article through at least one washing stage for removing residual amine oxide,  
characterized in that the liquor of the precipitation bath in the precipitation stage and/or the washing liquor of the washing stage(s) is treated with ultra-violet radiation.
2. Process according to claim 1 characterized in that an ultra-violet radiation having a wave length in the range from 200 to 280 nm is used.
3. Process according to claim 2 characterized in that the ultra-violet radiation has a wave length of 254 nm.
4. Process according to any of the claims 1 to 3 characterized in that the ultra-violet radiation is generated by a mercury low-pressure lamp.
5. Process according to any of the claims 1 to 4 characterized in that the UV treatment is limited to the liquors of the washing stage(s) having a temperature below 50°C.
6. Process according to any of the claims 1 to 5 characterized in that precipitation bath liquors or washing liquors having a Hazen color number Hz  $\leq 400$  is subjected to the UV treatment.

7. ~~Process according to any of the claims 1 to 6 in which the precipitation bath and several washing stages are connected in series and have liquor cycles of their own, characterized in that the cycle liquors of the precipitation bath and the first washing stage(s) are treated with ultra-violet radiation.~~

8. ~~Process according to claim 6 characterized in that the cycle liquors are irradiated with a power in the range from 0.1 to 1.0 Wh/l.~~

*add A25*